

# Agenda

## NIST Civil Infrastructure Showcase

March 13-14, 2014

### Day 1

8:00 – 9:00 AM	<b>Arrival and Registration</b>
9:00 – 9:15 AM	<b>Welcome and Introduction</b> <i>TBD</i>
9:15 - 9:45 AM	<b>Self-Powered Wireless Sensor Network For Structural Bridge Health Prognosis</b> Mistras Group, Inc., DBA Physical Acoustics Corp. – <b>Lead</b> Virginia Polytechnic Institute and State University University of South Carolina Research Foundation University of Miami
9:45 - 10:15 AM	<b>Development of SCANSn for Advanced Health Management of Civil Infrastructures</b> Acellent Technologies, Inc.
10:15 – 10:30 AM	<b>Break</b>
10:30 – 11:00 AM	<b>Cyber-Enabled Wireless Monitoring Systems for the Protection of Deteriorating National Infrastructure Systems</b> University of Michigan – <b>Lead</b> SC Solutions Prospect Solutions, LLC Monarch Antenna, Inc. Weidlinger Associates, Inc. Li, Fischer, Lepech & Associates, LLC
11:00 – 11:30 AM	<b>Infrastructure Defect Recognition, Visualization, and Failure Prediction System utilizing Ultra Wide Band Pulsed Radar Profilometry</b> ELXSI – <b>Lead</b> Louisiana Technical University
11:30 - 12:00 Noon	<b>Civil Infrastructure Inspection and Monitoring Using Unmanned Air Vehicles</b> CyPhy Works, Inc.
12:00 – 1:00 PM	<b>Lunch</b>
1:00 – 1:30 PM	<b>Automated Nondestructive Evaluation and Rehabilitation System (ANDERS) for Bridge Decks</b> Rutgers, The State University of New Jersey – <b>Lead</b> Mala GeoScience USA, Inc. Drexel University PD-LD, Inc. Pennoni Associates Inc.

1:30 – 2:00 PM	<b>Development of Rapid, Reliable, and Economical Methods for Inspection and Monitoring of Highway Bridges</b> University of Texas at Austin – <b>Lead</b> National Instruments Corp. Wiss, Janney, Elstner Associates, Inc.
2:00 - 2:30 PM	<b>Distributed Fiber-Optic Sensing Technology For Civil Infrastructure Management</b> Optellios, Inc.
2:30 – 3:00 PM	<b>VOTERS: Versatile Onboard Traffic Embedded Roaming Sensors</b> Northeastern University – <b>Lead</b> Earth Science Systems, LLC Trillion Quality Systems, LLC University of Massachusetts, Lowell University of Vermont and State Agricultural College
3:00 – 5:30 PM	<b>Demonstrations</b>
	<b>Day 2</b>
9:00 – 9:30 AM	<b>Next Generation SCADA for Prevention and Mitigation of Water System Infrastructure Disaster</b> The Regents of the University of California (Irvine) – <b>Lead</b> Earth Mechanics, Inc. Irvine Ranch Water District University of California at Irvine Santa Ana Watershed Project Authority Orange County Sanitation District
9:30 – 10:00 AM	<b>Fiber Sensing System for Civil Infrastructure Health Monitoring</b> Distributed Sensor Technologies, Inc. – <b>Lead</b> Optiphase, Inc. Redfern Integrated Optics, Inc. University of Illinois, Chicago
10:00 – 10:30 AM	<b>Development of a Multiscale Monitoring and Health Assessment Framework for Effective Management of Levees and Flood-Control Infrastructure Systems</b> Rensselaer Polytechnic Institute – <b>Lead</b> Geocomp Corp.
10:30 – 10:45 AM	<b>Break</b>
10:45 – 11:15 AM	<b>Development of High-Toughness, Low-Viscosity Resin for Reinforcing Pothole Patching Materials</b> The Regents of the University of California (UCLA) – <b>Lead</b> Materia Inc
11:15 – 11:45 AM	<b>Advanced Coating Technology for Infrastructure</b> MesoCoat, Inc. – <b>Lead</b> EMTEC Polythermics
11:45 – 12:00 Noon	<b>Summary and Wrap-up</b>
12:00 – 5:30 PM	<b>Demonstrations</b>